DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

19 HUMAN SECRETED PROTEINS

the specification of which was filed on April 11, 2001 as Application Serial No 09/832,129.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):			Priority (Claimed No
(Number)	(Country)	(Day/Month/Year Filed)		·
I hereby claim the benefit unlisted below.	der 35 U.S.C.	§ 119(e) of any United States [provisional a	application(s
60/163,085	Novembe	er 2, 1999		
(Application Serial No.)	(Filing	Date)		
60/172,411	December	17, 1999		
(Application Serial No.)	(Filing	Date)		

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(b) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US00/28664	October 17, 2000	Pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James H. Davis (Reg. No. 40,582), Kenley Hoover (Reg. No. 40,302), Joseph Kenny (Reg. No. 43,710), Jonathan L. Klein (Reg. No. 41,119), Michele Wales (Reg. No. 43,975) and Mark J. Hyman (Reg. No. 46,789) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

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Full name of first joint inventor:	Michele Fiscella		
Inventor's signature: MA FU	٩	Date: 1-1 Citizenship:	ンクて
Residence: 6308 Redwing Road, Betheso	la, MD 20817	Citizenship:	IT
Post Office Address: same as above		-	
Full name of additional joint inventor:	Ping Wei	1	<u> </u>
Inventor's signature:	When the MD 20022	Date: 1-1 Citizenship:	0-02 CN
Residence: 19100 Old Baltimore Road, Broo Post Office Address: same as above	okevine, MD 20833	Ciuzensiip.	CIV
Full name of additional joint inventor:	David W. LaFleur		
Inventor's signature:	Jund. WC	Date: 1 Citizenship:	(0) 02
Residence: 3142 Quesada Street, N.W., Was Post Office Address: same as above	shington, DC 20015	Citizenship:	US
Full name of additional joint inventor:	Henrik S. Olsen		
Inventor's signature: \(\frac{1}{2}\)		Date:	10/02
Residence: 182 Kendrick Place, #24, Gaithe	rsburg, MD 20878	Citizenship:	DK
Post Office Address: same as above			
		•	
Full name of additional joint inventor:	Kevin P. Baker		
Inventor's signature:	M.	Date:	10/02
Residence: 14006 Indian Run Drive; Da	mestown, MD 20878	Citizenship:	GB_
Post Office Address: same as above			

Full name of additional joint inventor: Reinhard	Ebner
	Date:
Inventor's signature:	
Residence: 9906 Shelburne Terrace, #316, Gaithersburg,	MD 20878 Citizensiiip. DE
Post Office Address: same as above	
Full name of additional joint inventor: George A	A. Komatsoulis
Full hande of additional joint inventor.	1
Inventor's signature: Naugh Kowassu	Date: 1/1/0
Residence: 9518 Garwood Street, Silver Spring, MD 209	Oll Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor:Craig A. I	Rosen
Full hame of additional joint laventon.	.11.1
Inventor's signature:	Date: _///J/2
Residence: 22400 Rolling Hills Road, Laytonsville, M	MD 20882 Citizenship:/ /US
Post Office Address: same as above	
·	
Full name of additional joint inventor: Steven M.	. Ruben
Inventor's signature:	Date: 1/10/0
Residence: 18528 Heritage Hills Drive, Olney, MD 2083	Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Roxanne	D. Duan
Inventor's signature:	Date:
Residence: 5515 Northfield Road, Bethesda, MD 208	817 Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Paul E. Y	oung
Inventor's signature:	Date:
Residence: 122 Beckwith Street, Gaithersburg, MD 2083	78 Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Kimberly	A. Florence
Inventor's signature:	Date: 1/16/02
Residence: 12805 Atlantic Avenue, Rockville, MD 2	20851 Citizenship: US
Post Office Address: same as above	

Full name of additional j	oint inventor:	Paul A. Moore		
Inventor's signature:		Paul A Moon	Date:	1/10/02
Residence: 19005 Leath	erbark Drive, Gei	mantown, MD 20874	Citizenship:	GB
Post Office Address:	same as above		- •	
Full name of additional j	joint inventor:	Charles E. Birse		
Inventor's signature:	CWi	<u> </u>	Date:	1802
Residence: 13822 Sadd			_ Citizenship:	<u>GB</u>
Post Office Address:	same as above			
Full name of additional Inventor's signature: Residence: 5502 Ma Post Office Address:		Jian Ni ockville, MD 20853	Date: Citizenship:	(N)
Full name of additional	joint inventor:	Daniel R. Soppet		
Inventor's signature:			Date:	
Residence: 15050 St	tillfield Place, Ce	entreville, VA 22020	Citizenship:	US
Post Office Address:	same as above			
Full name of additional	joint inventor:	Yanggu Shi		
20878		t. 102, Gaithersburg, MD	Date: // Citizenship:	(8/02 CN
Post Office Address:	same as above			

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19 HUMAN SECRETED PROTEINS

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Prior Foreign Application(s):		Priority Cl Yes	aimed No
(Number) (Co	intry) (Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

60/163,085	November 2, 1999
(Application Serial No.)	(Filing Date)
60/172,411	December 17, 1999
(Application Serial No.)	(Filing Date)

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PCT/US00/28664 (Application Serial No.)	October 17, 2000 (Filing Date)	Pending (Status: patented, pending, abandoned)	_
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Full name of first joint inventor:	Michele Fiscella		
		Date:	
Inventor's signature:	MD 20817	Citizenship:	IT
Residence: 6308 Redwing Road, Bethesda	a, MD 20017	- Citizonolap	
Post Office Address: same as above			
•	•		
Full name of additional joint inventor:	Ping Wei		
Inventor's signature:		Date:	<u> </u>
Residence: 19100 Old Baltimore Road, Brook	keville, MD 20833	_ Citizenship:	CN
Post Office Address: same as above			
			•
- v	David W. LaFleur		
Full name of additional joint inventor:			
Inventor's signature:		Date:	
Residence: 3142 Quesada Street, N.W., Was	hington, DC 20015	Citizenship:	US
Post Office Address: same as above			
Post Office Address.	:		
Full name of additional joint inventor:	Henrik S. Olsen		
Full name of additional Joint in Catori			
Inventor's signature:	•	Date:	
Residence: 182 Kendrick Place, #24, Gaither	rsburg, MD 20878	Citizenship:	DK
Post Office Address: same as above			
1031 011100 1100 1100			
Full name of additional joint inventor:	Kevin P. Baker		
Full Bame of additional Joint 12 , each			
Inventor's signature:	·	Date:	
Residence: 14006 Indian Run Drive, Dar	mestown, MD 20878	Citizenship:	GB
Post Office Address: same as above			
1000			

Full name of additional joint inventor://	Reinhard Ebner		
LIT	9V.	2/0	-/12
Inventor's signature:	mes	_ Date:	102
Residence: 9906 Shelburne Terrace, #316, C	Gaithersburg, MD 20878	Citizenship:	_DE_
Post Office Address: same as above			
Full name of additional joint inventor:	George A. Komatsou	lis	
		Date:	
Inventor's signature:	MD 20001	Citizenship:	US
Residence: 9518 Garwood Street, Silver Spr. Post Office Address: same as above	ing, MD 20901	_ Chizensinp.	
Post Office Address: same as above			
Full name of additional joint inventor:	Craig A. Rosen		
Full flame of additional joint investor.			
Inventor's signature:		Date:	
Residence: 22400 Rolling Hills Road, L	aytonsville, MD 20882	Citizenship:	US
Post Office Address: same as above			
Full name of additional joint inventor:	Steven M. Ruben		
Inventor's signature:		Date:	7.70
Residence: 18528 Heritage Hills Drive, Oln	ey, MD 20832	Citizenship:	US
Post Office Address: same as above	•		
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	Davierna D. Duan		
Full name of additional joint inventor:	Roxanne D. Duan		
Towards also also advises		Date:	
Inventor's signature: Residence: 5515 Northfield Road, Bethe	eda MD 20817	Citizenship:	US
Post Office Address: same as above	.sda, 14119 20017	, <i>C</i>	
Post Office Address. Same as above			
Full name of additional joint inventor:	Paul E. Young		
Inventor's signature:		Date:	
Residence: 122 Beckwith Street, Gaithersbu	rg, MD 20878	Citizenship:	<u>US</u>
Post Office Address: same as above			
·			
Full name of additional joint inventor:	Kimberly A. Florence		
		Datas	
Inventor's signature:	111. ND 00061	Date:	US
Residence: 12805 Atlantic Avenue, Roc	KVIIIe, IVID 20831	Citizenship:	
Post Office Address: same as above			

Full name of additional joint inv	entor:	Paul A. Moore		
-			Data	
Inventor's signature:			Date:	
Residence: 19005 Leatherbark D	rive, Germa	ntown, MD 20874	Citizenship: GB	,
Post Office Address: same	as above	•		
			·	
Full name of additional joint inv	entor:	Charles E. Birse		
Inventor's signature:			Date:	
myenioi s signature.	Drive North	Potomas MD 2087		_
Residence: 13822 Saddleview D		Pololilac, IVID 2007	Citizensinp. OB	
Post Office Address: same:	as above			
·				
Full name of additional joint inv	entor.	Jian Ni		
Full flatine of additional Joint in		Olan IVI		
Inventor's signature:			Date:	
Residence: 5502 Manorfield	Road, Rock	ville, MD 20853	Citizenship: CN	
	as above			
Full name of additional joint inv	entor:	Daniel R. Soppet	t	
	()	D. lan T	Date: 3/5/02	
Inventor's signature:	and	12 de jui		
Residence: 15050 Stillfield P		ville, VA/22020	Citizenship: US	
Post Office Address: same:	as above	·		
		77 Ch:		
Full name of additional joint inv	entor:	Yanggu Shi		_
Inventor's signature:			Date:	
Residence: 437 West Side Dr	ive Ant 1	02 Gaithersburg		_
Residence: 437 West Side Dr	ive, Apt. I	oz, Gamersonig,	TID Citizonship. Oil	
	as above			

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Full name of first joint inve	ntor:	Michele Fiscella		
Inventorio cionaturo		•	Data	
Inventor's signature:	D 1 D 1 1		Date:	
Residence: 6308 Redwin		a, MD 2081 /	_ Citizenship:	IT
Post Office Address: si	ame as above			
	•			
Full name of additional join	it inventor:	Ping Wei		
Y				
Inventor's signature:			Date:	
Residence: 19100 Old Balti		keville, MD 20833	_ Citizenship:	CN
Post Office Address: sa	ame as above			
Full name of additional join	t inventor:	David W. LaFleur		
run name of additional join	inventor.	David W. Larieur		
Inventor's signature:			Date:	
Residence: 3142 Quesada S	treet, N.W., Wash	ington, DC 20015	Citizenship:	US
Post Office Address: sa	ame as above			
•				
Full name of additional join	t inventor	Henrik S. Olsen		
Tun name of additional join	-	Henrik S. Oisen		
Inventor's signature:			Date:	
Residence: 182 Kendrick Pl	ace, #24, Gaithers	burg, MD 20878	Citizenship:	DK
Post Office Address: sz	ame as above			
·				
Full name of additional join	t instantons	Vorin B. Balton		
run name of additional join	inventor:	Kevin P. Baker		
Inventor's signature:			Date:	
-	Run Drive, Darn	estown, MD 20878	Citizenship:	GB
	ame as above		- *	

Full name of additional joint inventor: Rein	thard Ebner	
Inventor's signature:	Date:	
Residence: 9906 Shelburne Terrace, #316, Gaithers		DE
Post Office Address: same as above	Creation P.	
Same as above		
Full name of additional joint inventor: Geo	orge A. Komatsoulis	
Inventor's signature:	Date:	
Residence: 9518 Garwood Street, Silver Spring, M		JS
Post Office Address: same as above	outenant,	
•		
Full name of additional joint inventor: <u>Crai</u>	g A. Rosen	
Inventor's signature:	Date:	
Residence: 22400 Rolling Hills Road, Laytonsv	ville, MD 20882 Citizenship: U	JS
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Full name of additional joint inventor: Stev	en M. Ruben	
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Post Office Address: same as above		
Full name of additional joint inventor: Roxa	anne D. Duan	
Inventor's signature:	Duan Date: 1/9,	/~
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Post Office Address: same as above	Citizensinp.7	7.5
Same as above		<u> </u>
Full name of additional joint inventor: Paul	E. Young	
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Residence: 122 Beckwith Street, Gaithersburg, MD	20878 Citizenship: U	JS_
Post Office Address: same as above		
Full name of additional joint inventor: <u>Kim</u>	berly A. Florence	
Inventor's signature:	Date:	10
Residence: 12805 Atlantic Avenue, Rockville, I Post Office Address: same as above	MD 20851 Citizenship: U	JS
Post Office Address: same as above		

Full name of additional joint inventor:	Paul A. Moore		
Inventor's signature:		Date:	
Residence: 19005 Leatherbark Drive, German	ntown, MD 20874	Citizenship:	GB
Post Office Address: same as above		P .	
Full name of additional joint inventor:	Charles E. Birse		
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Residence: 13822 Saddleview Drive, North F	Potomac, MD 20878	Citizenship:	GB
Post Office Address: same as above			
	. •		
Full name of additional joint inventor:	Jian Ni	·····	
Inventor's signature:		Date:	
Residence: 5502 Manorfield Road, Rocky	rille, MD 20853	Citizenship:	CN
Post Office Address: same as above			
Full name of additional joint inventor:	Daniel R. Soppet		
Inventor's signature:		Date:	
Residence: 15050 Stillfield Place, Centres	ville, VA 22020	Citizenship:	US
Post Office Address: same as above	•		
Full name of additional joint inventor:	Yanggu Shi		
Inventor's signature:		Date:	
Residence: 437 West Side Drive, Apt. 10 20878	2, Gaithersburg, MD	Citizenship:	CN
Post Office Address: same as above			

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Full name of first joint inventor:	Michele Fiscella		
Inventor's signature:	:	Date:	
Residence: 6308 Redwing Road, Bethesda,	MD 20817	Citizenship:	IT
Post Office Address: same as above			
		-	
Full name of additional joint inventor:	ing Wei		
Inventor's signature:		Date:	
Residence: 19100 Old Baltimore Road, Brooke	ville, MD 20833	Citizenship:	CN
Post Office Address: same as above		,	
Full name of additional joint inventor:	David W. LaFleur		
Inventor's signature:		Date:	
Residence: 3142 Quesada Street, N.W., Washir	igton, DC 20015	Citizenship:	US
Post Office Address: same as above			
Full name of additional joint inventor:	Ienrik S. Olsen		
			···
Inventor's signature:	V (D. 2007)	Date:	
Residence: 182 Kendrick Place, #24, Gaithersb	urg, MD 20878	Citizenship:	DK
Post Office Address: same as above		<u> </u>	
Full name of additional joint inventor:	Kevin P. Baker		
Inventor's signature:		Date:	
Residence: 14006 Indian Run Drive, Darnes	stown, MD 20878	Citizenship:	GB
Post Office Address: same as above			

Full name of additional joint	inventor:	Reinhard Ebner		
Instantanta al constitues			Data	
Inventor's signature:	1121.C. C	1.10 20070	Date:	
Residence: 9906 Shelburne To		faithersburg, MD 20878	Citizenship:	DE
Post Office Address: san	ne as above			
		Common A. Warrenter	••	
Full name of additional joint i	inventor:	George A. Komatsou	lis	
Inventor's signature:			Date:	
Residence: 9518 Garwood Str	eet. Silver Spr	ing. MD 20901	Citizenship:	US
	same as above	5, 20, 01		
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Full name of additional joint i	inventor:	Craig A. Rosen		
Inventor's signature:			Date:	····
Residence: 22400 Rolling	 	sytonsville, MD 20882	Citizenship:	US
Post Office Address: san	ne as above			
Eull name of additional isint i		Ctavan M. Duhan	•	
Full name of additional joint i	inventor:	Steven M. Ruben		
Inventor's signature:	•		Date:	
Residence: 18528 Heritage Hi	Ils Drive Olne	y MD 20832	Citizenship:	US
	ne as above	<i>y</i> , who 20052	Citizensinp.	
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•				
Full name of additional joint i	nventor:	Roxanne D. Duan		
_				
Inventor's signature:			Date:	
Residence: 5515 Northfiel	d Road, Bethe	sda, MD 20817	Citizenship:	US
Post Office Address: sam	ne as above			
Full name of additional joint i	nventor:	Paul E. Young		
•	WBh.		7/1	12
Inventor's signature:	-X (/X	20000	Date: Z/26/ Citizenship:	102
Residence: 122 Beckwith Stre		rg, MD 208/8	Citizenship:	US
Post Office Address: sam	ne as above			
Full name of additional joint i	nvontore	Kimbark A Flavores		•
ran name or additionar joint i	HACHIOI:	Kimberly A. Florence		
Inventor's signature:			Date:	
_	Avenue Rock	ville, MD 20851	Citizenship:	US
	ie as above		p.	

Full name of additional joint inventor:	Paul A. Moore
Inventor's signature:	Date:
Residence: 19005 Leatherbark Drive, C	Germantown, MD 20874 Citizenship: GB
Post Office Address: same as above	/e
•	
Full name of additional joint inventor:	Charles E. Birse
Inventor's signature:	Date:
Residence: 13822 Saddleview Drive, N	North Potomac, MD 20878 Citizenship: GB
Post Office Address: same as above	/e
Full name of additional joint inventor:	Jian Ni
•	
Inventor's signature:	Date:
Residence: 5502 Manorfield Road,	Rockville, MD 20853 Citizenship: CN
Post Office Address: same as above	/e
Full name of additional joint inventor:	Daniel R. Soppet
* · · · · · · · · · · · · · · · · · · ·	_
Inventor's signature:	Date:
Residence: 15050 Stillfield Place, C	
Post Office Address: same as above	⁷ e
·	
Full name of additional joint inventor:	Yanggu Shi
Inventoria signatura:	D 400
Inventor's signature:	Date:
	pt. 102, Gaithersburg, MD Citizenship: CN
20878	···
Post Office Address: same as above	<u>'e </u>



MARCH 26, 2003

JANET M. MANTINEAU HUMAN GENOME SCIENCES, INC. 9410 KEY WEST AVENUE ATTY. DKT.: PZ045P1 ROCKVILLE, MD 20850 Under Secretary of Commerce For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231 www.uspto.gov

APR 0 8 2003 XXXX MM SA *1023956324*

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/22/2002

REEL/FRAME: 013510/0162

NUMBER OF PAGES: 14

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FISCELLA, MICHELE

DOC DATE: 01/10/2002

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DOC DATE: 01/10/2002

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DOC DATE: 01/11/2002

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DOC DATE: 01/10/2002

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DOC DATE: 01/10/2002

ASSIGNOR:

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DOC DATE: 03/05/2002

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KOMATSOULIS, GEORGE A.

DOC DATE: 01/11/2002

013510/0162 PAGE 2

ASSIGNOR:

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RUBEN, STEVEN M. DOC DATE: 01/10/2002

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DUAN, D. ROXANNE DOC DATE: 01/09/2002

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YOUNG, PAUL E. DOC DATE: 02/26/2002

ASSIGNOR:

FLORENCE, KIMBERLY A. DOC DATE: 01/16/2002

ASSIGNOR:

MOORE, PAUL A. DOC DATE: 01/10/2002

ASSIGNOR:

BIRSE, CHARLES E. DOC DATE: 01/08/2002

ASSIGNOR:

NI, JIAN DOC DATE: 01/10/2002

ASSIGNOR:

SOPPEI, DANIEL R. DOC DATE: 03/05/2002

ASSIGNOR:

SHI, YANGGU DOC DATE: 01/08/2002

ASSIGNEE:

HUMAN GENOME SCIENCES, INC. 9410 KEY WEST AVENUE ROCKVILLE, MARYLAND 20850

SERIAL NUMBER: 09832129 FILING DATE: 04/11/2001

PATENT NUMBER: ISSUE DATE:

THERESA FREDERICK, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

Name of Person Signing

Date

14

03-25-2003 US DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office (Rev. U3 01) OMB No 0551-0027 (exp 5/31/2002) 102395632 To the Honorapia Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof Name and address of receiving party(ies) 1. Name of conveying pany(ies): Michele Fiscella (January 10, 2002), Ping Wei (January Name: Human Genome Sciences, Inc. 10, 2002), David W. LaFleur (January 11, 2002), Henrik Internal Address: S. Olsen (January 10, 2002). Kevin P. Baker (January 10, 2002). Street Address: Additional rame(s) of conveying party(les) 9410 Key West Avenue x Yes No ಪುಷದಾವ? 3. Nature of Conveyance: x Assignment Merger Security Agreement Change of Name Cny: Rockville Other State: MD Zip: 20850 Additional name(s) & Yes x No Execution Date: 1 see Box 1, conveying parties address(es) anached: 4. Application number(s) or patent number(s) If this document is being filed togethar with a new application, the execution date of the new application is: A. Patent Application No.(s): B. Patent No.(s): 09/832,129 x No Additional numbers attached? Yes 5. Name and address of pany to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Janet M. Martineau HUMAN GENOME SCIENCES, INC. Total fee (37 CFR 3.41) 40.00 Internal Address: Atty. Dkt.: PZ045P1 Enclosed Street Address: 9410 Key West Avenue Authorized to be charged to deposit account Deposit account number 08-3425 State: Zıp: City. (Attach duplicate copy of this page if paying by deposit account) 20850 Rockville MD DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. March 22, 2002 Janet M. Martineau

Signature

Total number of pages including cover sheet, attachments, and documents:

FORTH PTC-1595	CORDATION FO	ORM COVER SHEET	٢	
Additional Conveying Party(ies				
Reinhard Ebner (March 5, 2002), George Steven M Ruben (January 10, 2002), D. Kimberly A Florence (January 16, 2002), Jian Ni (January 10, 2002), Daniel R. Sop	Roxanne Duan (Paul A. Moore (January 9, 2002), Pa January 10, 2002), (aul E. Young Charles E. Bir	(February 26, 2002), rse (January 8, 2002),
Additional Assignees (2. Contin	nued):			
Assignee Name: Internal Address:			·	•
Street Address:				
City:	State:		Zip Code:	
Assignee Name:				
Internal Address:				
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Assignee Name				
Internal Address.				
Street Address:				
City:	State.		Zip Code:	
Additional Applications and/or F	Patents (4. C	ontinued):		
Additional Patent Application Numbers 4A Continued:		Additional Patent 1 4B. Continued.	Numbers	·
•				
	I		÷	
Additional	numbers attache	ed? Yes	X No	

ASSIGNMENT

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- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional) applications, reissues, extensions, renewals and reexaminations of the patent application or patent therefor listed above in part (a), to the full extent of the term or terms for which patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals, and examinations of such patent application, including, without limitation, patents, applications, unlity models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, trile and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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Each of the undersigned agrees to execute all papers necessary in connection with any interference that may be declared or lingation that may be instituted concerning the application(s) or patent(s) referred to above and to cooperate fully and completely with the Assignee, its successors, assigns, and representatives in obtaining evidence and going forward with such interference or litigation, including providing testimonial evidence.

Each of the undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned

Each of the Practioners at Customer Number 22195 is hereby granted with full power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordanon of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signatu	Michele Fisuella	_Date: _	1-10-02
Inventor's Signatu	0-2-	_Date: _	1-10-02
Inventor's Signatu	David W. LaFleur	_Date: _	1 10 02
Inventor's Signatu	re: Henrik S. Olsen	_Date: _	1 liolo2
Inventor's Signatu	re:	_Date: _	1/10/02
Inventor's Signatu	re:Reinhard Ebner /	_Date: _	
Inventor's Signatu	George A. Komatsoulis	Date: _	1/11/02
Inventor's Signatu		_Date: _	1/15/07
Inventor's Signatu	Steven M. Ruben	_Date: _	1/10/02
Inventor's Signatu	Roxanne D. Duan	Date: _	
Inventor's Signatu	Paul E. Young	Date:	
Inventor's Signatu	Kimberly A. Florence	_Date.	1/14/02

Inventor's Signature:	Paul A huevre	Date: _	1/10/02
	Paul A. Moore		
Inventor's Signature:	Clube Bise	Date:	11802
-	Charles E. Birse		
Inventor's Signature:	10	Date:	1/0/02
	Jian Ni		
Inventor's Signature:		Oate [,]	
•	Daniel R. Soppet		
Inventor's Signature:	month March	Date:	1/8/02
	Vanged Shi		•

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Michele Fiscella, Ping Wei, David W. LaFleur, Henrik S. Olsen, Kevin P. Baker, Reinhard Enner, George A. Komatsoulis, Craig A. Rosen, Steven M. Ruben, Rozanne D. Duan, Paul E. Young, Kimberly A. Florence, Paul A. Moore, Charles E. Birse, Jian Ni, Daniel R. Soppet, and Yanggu Shi, hereby sells, assigns, transfers, and sets over to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his/her entire right, title and interest, including the right to sue and collect for all past, present and future damages, for the United States of America, including all its territories and possessions, and all other countries,

- (1) in and to the invention known as 19 HUNIAN SECRETED PROTEINS for which application for United States Letters Patent was filed on April 11, 2001, and assigned US Serial No. 09/832,129, in any and all applications thereon, in any and all Patents) therefore, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (commutation, thvistonal) applications, reissues, extensions, renewals and reexaminations of the patent application or patent therefor listed above in part (a), to the full extent of the term or terms for which patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and inclustrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals, and examinations of such patent application, including, without limitation, patents, applications utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s).

Inventor's Signamire:		Date
	Michele Fiscella	
Inventor's Signature:		Date:
	Ping Wes	D416,
Investorio Eimen		
Inventor's Signature:	David W. LuFleur	Дате:
Inventor's Signature:		_
mrenor's Signature.	. Hearik S. Olsen	Daţe:
Inventor's Signature:	Kevin P. Baker	Date:
	11560	7151200
Inventor's Signanute:	Reinhard Ebber	O Date: 3/5/2007
:	recuntat d Enter	
Inventor's Signature:		Date
	Ceorge A. Komassoulis	
Inventor's Signature:	·	Date:
	Craig A. Rosen	
Inventor's Signature:		Date:
	Steven M. Ruben	
Inventor's Signature:		Date:
	Roxiane D. Duin	
Inventor's Signature:		Date:
	Paul E. Young	
Inventor's Signature:		Date:
- · · · · · · · · · · · · · · · · · · ·	Kimberly A. Florence	

Inventor's Signature:		
тильног з Этемина ч.	Paul A. Moore	
Inventor's Signature:		_Date:
THACTION A DIBOTOR	Charles E. Birse	
		Date:
Inventor's Signiture:	Jian Ni	
√ -:	2	,
	Il Some I	Date: 3/5/02
Inventor's Signature:	Daniel R. Soppel	
	·	
7		_Dare
Inventor's Signature:	Yanggu Shi	_

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned. Michele Fiscella, Ping Wei, David W. LaFleur, Henrik S. Olsen, Kevin P. Baker, Reinhard Ebner, George A. Komatsoulis, Craig A. Rosen, Steven M. Ruben, Roxanne D. Duan, Paul E. Young, Kimberly A. Florence, Paul A. Moore, Charles E. Birse, Jian Ni, Daniel R. Soppet, and Yanggu Shi, hereby sells, assigns, transfers, and sets over to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his her entire right, title and interest, including the right to sue and collect for all past, present and future damages, for the United States of America, including all its termionies and possessions, and all other countries,

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Inventor's Signature:		Date	
	Michele Fiscella		
Inventor's Signature	Ping Wei	Date:	
Inventor's Signature:	David W. LaFleur	Date:	
Inventor's Signature:	Henrik S. Olsen	Date:	
Inventor's Signanure:	Kevin P. Baker	Date:	· · · · ·
Inventor's Signanuro:		Date:	
Inventor's Signature		Date:	
Inventor's Signature:		Date:	
Inventor's Signature	Steven M. Ruben	Date:	
Inventor's Signature:	Roxanne D. Duan	Campate: 1/7	1:7_
Inventor's Signature:		Date	
Inventor's Signature:		Date:	

Inventor's Signature:		Date	
	Paul A. Moore		
Inventor's Signature:		Date:	
	Charles E. Birse		
Inventor's Signature		Date:	
	Jian Ni		
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	Daniel R. Soppet		
Inventor's Signature		Date.	
-	Yanggu Shi		

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·	Michele Fiscellu		
Inventor's Signature:	Ping Wei	Date:	·
Inventor's Signature:	David W. LaFleur	Date:	
Inventor's Signature.	Henrik S. Olsen	Date:	
Inventor's Signature:		Date:	
Inventor's Signature:		Date: _	
Inventor's Signature:	Reinhard Ebner	Date:	
•	George A. Komutsoulis	•	
Inventor's Signature:	Craig A. Rusen		
Inventor's Signature	Steven M. Ruben	Date: _	*****************
Inventor's Signature:	Roxanne D. Duan		
Inventor's Signature:	Paul E. Young	Date: _	2/2/202
Inventor's Signature:	Kimberly A. Fl. rence	Date: _	

Inventor's Signature		Date	
	Paul A. Moore		
Inventor's Signature:		Date:	
	Charles E. Birse		
Inventor's Signature:		Dec.	
	Jian Ni	Date:	
Inventor's Signature:			
mventor's Signature:	Daniel R. Suppet	Date:	
Inventor's Signature:		Date	
	Vangou Shi		